

## **ABSTRACT**

The triathlete bicycle saddle promotes a more aerodynamic position by enabling a flatter back while improving comfort and risk of injury by eliminating direct compression on the perineal region (crotch). The saddle is specifically designed for athletes riding in a more aggressive, aerodynamic position by supporting the athlete's weight on the seat bones and not on the perineal region. The truncated horn provides sufficient lateral support during cornering and descents. A guide loop on the nose of the saddle promotes smooth transition to the seated position by automatically centering and aligning the seat. The double cantilever rail frame provides additional comfort by reducing road vibration and shock through an independent suspension of the saddle body.